: CROSSTUBE EXTRUSION (407 AFT)

Thursday, 3/30/2006 8:32:26 AM

User:

Kim Johnston

Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

Job Number

: 26424

Estimate Number

: 10031

P.O. Number

: NIA

This Issue Prsht Rev.

: 3/30/2006 : NC

: N/M :NIA

S.O. No. : NIN

Type

: LANDING GEAR

Part Number Drawing Number : D6010115

Project Number

Drawing Name

: D6010 REV A : N/A

Drawing Revision

Material **Due Date** : 7/30/2006

Qty:

Each

Written By

Previous Run

Checked & Approved By

Comment

First Issue

New Issue SM : Est Rev:A (01/

Additional Product

Job Number:



Seq. #:

1.0

Machine Or Operation:

Description:

PURCHASING



Comment: PURCHASING

PG

Ed Hold SK

Issue P/0: 00000933

a) Order as per Dwg D6010

b) Material: 2.250 x 0.320 wall 7075-T6/T6511 (WW-T-700/7 or aluminum tube

QQ-A-225/9 or QQ-A-200/11) seamless

- c) Minimum ultimate tensile strength = 77 ksi
- d) Minimum tensile yield strength = 66 ksi
- e) Tolerance are per ASTM B210 (see details on Dwg D6010)
- f) Material certification required

2.0

D6010115P

Crosstube Material



1.0000 Each(s)/Unit Total:

12.0000 Each(s)

Crosstube Material

PACKAGING 1

Comment: Qty.:

PACKAGING RESOURCE #1









Receive & Inspect For Transit Damage Ensure material certification is attached

4.0

3.0

QC6



Comment: DIMENSIONAL CHECK

Ensure Material certification comply to Dwg



Dart Aerospace Lt	d

W/O:		WORK ORDER CH	ANGES				
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #: Fault Category:	NCR: Yes	No DQ		Date:	06/12/05

NCR:			WORK ORDER NON-CONFORMANCE (NCR)											
DATE		Description of NC		Corrective Action Section E	Varification									
	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector						
		!												
•						:								

NOTE: Date & initial all entries

Date:

Thursday, 3/30/2006 8:32:27 AM

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Kim Johnston

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Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: CROSSTUBE EXTRUSION (407 AFT)

Job Number: 26424

Part Number: D6010115

Job Number:



Seq. #:

Machine Or Operation:

Description:

5.0

HAND FINISHING1

HAND FINISHING RESOURCE #1





Comment: HAND FINISHING RESOURCE #1

Chemical Conversion Coat as per QSI 005 4.1

6.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location:

7.0



Comment: DOCUMENT CONTROL

Inspection Level 21



Job Completion



Dart Aerospace Ltd

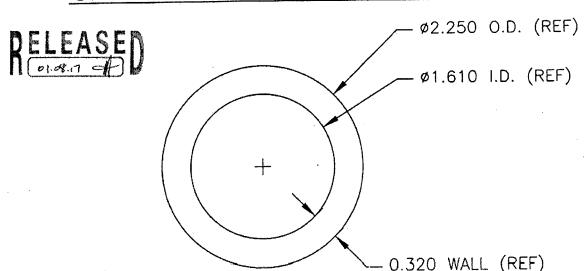
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W/O:			WORK ORDER CHANGES											
DATE	STEP	?	PR	В	/	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector					
 		;												
Part No	:		PAR #:	Fault Categ	ory:	NCR: Y	es N	o DQ	A:	_ Date: _				
			<u> </u>			Q	A: N/C	Close	d:	Date:				
NCR:				WORK ORDE	R NON-CONFORM	MANCE (N	ICR)							
DATE	STEP		Description of NC	· · · · · · · · · · · · · · · · · · ·		ection B		Verific	ation	Approval	Approval			
DATE	SIEP		Section A	Initial Chief Eng	Action Description Chief Eng		gn & ate	Secti		Chief Eng	QC Inspector			
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NOTE: Date & initial all entries



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CHECKE	D,,	APPROVED!	DRAWING NO.	REV. A
4	#	1 4	D6010	SHEET 1 OF 1
DATE	71	<u> </u>	TITLE	SCALE
01.08	3.16		CROSSTUBE MATERIAL	1:1
Α		01.08.16	NEW ISSUE	

SPECIFICATION CONTROL DRAWING



NOTES

1) D6010-XXX CROSSTUBE LENGTH.

WHERE XXX IS LENGTH IN INCHES EG. 115" LONG TUBE: D6010-115

2) MATERIAL: 2.250 OD \times 0.320 WALL 7075-T6/T6511 (WW-T-700/7 OR QQ-A-225/9 OR

QQ-A-200/11) SEAMLESS ALUMINUM TUBE. MINIMUM ULTIMATE TENSILE STRENGTH = 77 ksi MINIMUM YIELD TENSILE STRENGTH = 66 ksi

3) TOLERANCES ARE PER ASTM B210 AS FOLLOWS:

O.D.: \pm 0.006 MEAN (\pm 0.012 INCLUDING OVALITY) WALL: ±0.015 MEAN (±0.032 INCLUDING ECCENTRICITY)

ENGINEERING LENGTH: XXX + 0.125/-0.000

SHOP COPY

RETURN TO

4) EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE OF ATHEOMENT OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH ASOUT NOTICE SCRATCHES, NICKS, OR DENTS. DEFECTS UP TO 0.005" MAY BE BLENDED OUT OUTSIDE SURFACE DEFECTS SUCH ASOUT NOTICE LONGITUDINALLY. CIRCUMFERENTIAL GRIND MARKS ARE UNACCEPTABLE.

5) CHEMICAL CONVERSION COAT PER DART QSI 005 4.1

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Abnahmeprüfzeugnis 3.1 - EN 10204:2004

Inspection Certificate 3.1 - EN 10204:2004 | Certificat de Reception 3.1 - EN 10204:2004

Kunde:

Dart Aerospace Ltd.

Zeuanisnummer: Cert No.: / No. du certificat: 756/06

Client:

1270 Aberdeen Street

Bestellnummer:

PO 00000933

K6A1K7 Hawkesbury, ON Order No. / No. de commande

Produkt:

Rohre nahtlos gepresst

Auftrag:

18609/5

Product / Produit:

Tubes seamless extruded

Spezifikation:

AMS - QQ - A - 200/11E; -

Our Reference/Notre Reference:

Specification:

Werkstoff:

7075

Zustand:

T 6511

Alloy/Alliage:

Temper/État

Abmessung Size / Dimension 2,250 INCH D6010-115

x 1,610 INCH x 0,320 INCH x 115,000 INCH

Canada

Kennzeichnung

ALUnna-Cert No.756/06-7075-T65-Cast No 80002-AMS-QQA-200/11

.320 Wall-Heat No.637/08-

Marking/Marquage: ieferuna

Lot18609/5/1-P.O.00000933

Delivered Material / Matérial délivre:

lbs

Country of Manufacture: Germany

315

1. Chemische Analyse

Chemical Analysis / analyse chimique

		Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Zr	Bi	Sn	Ni
Charge/	min.		r.	1,2		2,1	0,18	5,1						
Cast No.	max.	0,40	0,50	2,0	0,30	2,9	0,28	6,1	0,20					
80002		0,088	0,140	1,42	0,079	2,52	0,178	5,81	0,036	0,004	0,023	0,001	0,001	0,0001

Hydrogen content:

0,13

ccm/100 g Al

Elements without indication < 0,01 %

2. Mechanische Eigenschaften

Mechanical Properties / Valeurs Mécaniques

	Joine Ligeria				1	1	
Anforderungen Requirements	tensile (Rm) ksi	yield (Rp0,2) ksi	elongation 2" %	elongation A %	Hardness HB	Heat No.	
min. max.	81,0	73,0	7,0				
1	86,855	79,895 🌙	8,5		172	637/08 - 14 pcs.	
		·					

RMS outside 25 - max. 20 µ"

Ergebnis der Prüfungen:

Es wird bestätigt, daß die Lieferung geprüft wurde und den Vereinbarungen bei der Bestellannahme entspricht

Test results:

We confirm that the delivery has been tested and applies to the agreements made on receipt of the order

Resultats: Nous confirmons que la livraison a été controlée et correspond avec les conventions faites à la réception de la commande

